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3. A process according to claim 1,
characterised in that
the oxidising agent used in chlorine or hydrogen peroxide and the reducing agent
used is an aldehyde, particularly formaldehyde, a formate or formic acid, a hydride or hydrogen.

4. A process according to claim 1, characterised in that
a chelating agent from the series comprising aminopolycarboxylic acids,
polyhydroxycarboxylic acids, aminopolyphosphonic acids is used.

6. A process according to claim 1,
characterised in that
precipitation of the platinum group metal(s) is carried out with a reducing agent
from the series comprising formaldehyde, formate or formic acid, the pH being raised
continuously or in stages from 2 to 3 to 8 to 9 during the addition of the reducing agent.

7. (New) A process according to claim 2,
characterised in that
the oxidising agent used in chlorine or hydrogen peroxide and the reducing
agent used is an aldehyde, particularly formaldehyde, a formate or formic acid, a hydride or
hydrogen.

8. (New) A process according to claim 2, characterised in that
a chelating agent from the series comprising aminopolycarboxylic acids,
polyhydroxycarboxylic acids, aminopolyphosphonic acids is used.

9. (New) A process according to claim 3, characterised in that
a chelating agent from the series comprising aminopolycarboxylic acids,
polyhydroxycarboxylic acids, aminopolyphosphonic acids is used.

10. (New) A process according to claim 2,
characterised in that
precipitation of the platinum group metal(s) is carried out with a reducing agent from the series comprising formaldehyde, formate or formic acid, the pH being raised continuously or in stages from 2 to 3 to 8 to 9 during the addition of the reducing agent.

11. (New) A process according to claim 3,
characterised in that
precipitation of the platinum group metal(s) is carried out with a reducing agent from the series comprising formaldehyde, formate or formic acid, the pH being raised continuously or in stages from 2 to 3 to 8 to 9 during the addition of the reducing agent.

12. (New) A process according to claim 4,
characterised in that
precipitation of the platinum group metal(s) is carried out with a reducing agent from the series comprising formaldehyde, formate or formic acid, the pH being raised continuously or in stages from 2 to 3 to 8 to 9 during the addition of the reducing agent.

13. (New) A process according to claim 5,
characterised in that
precipitation of the platinum group metal(s) is carried out with a reducing agent from the series comprising formaldehyde, formate or formic acid, the pH being raised continuously or in stages from 2 to 3 to 8 to 9 during the addition of the reducing agent.